

## EP 958719 Patent Family

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**Printed circuit boards sub-rack front system with lockable lever draw grip - includes locking slide mounted in lever draw grip and provided with end pressure zone**

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Number of Countries: 021 Number of Patents: 008

### Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9834449	A1	19980806	WO 97DE212	A	19970203	199837 B
EP 958719	A1	19991124	EP 97914119	A	19970203	199954
			WO 97DE212	A	19970203	
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Priority Applications (No Type Date): WO 97DE212 A 19970203

### Patent Details:

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DE 59707341	G			H05K-007/14	Based on patent EP 958719
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### Abstract (Basic): WO 9834449 A

A front system for electrical circuit boards (37) slidable into and out of sub-racks (55) via guide rails (36) in which the front element (38,11) is mounted on the frontal end-face (56) of a circuit board (37), and includes a lever draw-grip (1) located on the top or bottom of the front element and hinge-mounted via a point of rotation (5,12) in the plane of the circuit board.

A latching or locking slide (10) is mounted in a lever draw grip (1) and has a pressure zone (27), at the end of one of the lever draw grips (1), which lies opposite the engagement zone (6). Tensioners (43,32,28,29,35) exert a pre-tension on the locking slide (10) towards

the pressure zone (27) to retain the slide (10) in an output or exit position, and locking/latching devices (22,23,26) are arranged on the top or bottom corner of the front element (38,11) and as the lever draw-grip (1) swivels on to the locking slide (10), the tensioners and the front-element (38,11) engage, and the locking devices are released again, as a result of a shift of the locking slide (10) against the pre-tension force (52,53) of the tensioners (43,32,28,29,35).

USE - For printed circuit boards.

ADVANTAGE - Easier operation owing to lever draw grip.

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Title Terms: PRINT; CIRCUIT; BOARD; SUB; RACK; FRONT; SYSTEM; LOCK; LEVER;

DRAW; GRIP; LOCK; SLIDE; MOUNT; LEVER; DRAW; GRIP; END; PRESSURE; ZONE

Derwent Class: V04

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